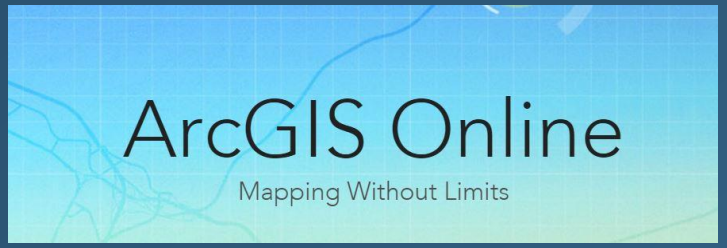
Accessing Existing Geospatial Data for Kharkiv:

Introduction to the Kharkiv Geonode and Kharkiv Workshop ArcGIS Online organization account



Secondary Cities: Kharkiv GeoNode

What is a GeoNode?

- A GeoNode is a user interface and security wrapper around GeoServer, an open source server for sharing geospatial data and other common open source GIS software.
- A GeoNode enables users to visualize geospatial information in a web browser or download it into their desktop environment.

GeoNode

Learn more at http://geonode.org/

Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

- Access to Kharkiv data layers from Spaero
  - Can download data in a variety of file formats
    - JPEG, PDF, PNG, Shapefile, GML 2.0, GML 3.1.1, CSV, Excel, GeoJSON, KML, Tiles
  - View data layers in online map viewer

http://secondarycities.geonode.state.gov/

Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

http://secondarycities.geonode.state.gov/

Cities

Discover innovative examples of open data and community empowerment

Cusco

Denpasar

Kharkiv

Medellin

Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

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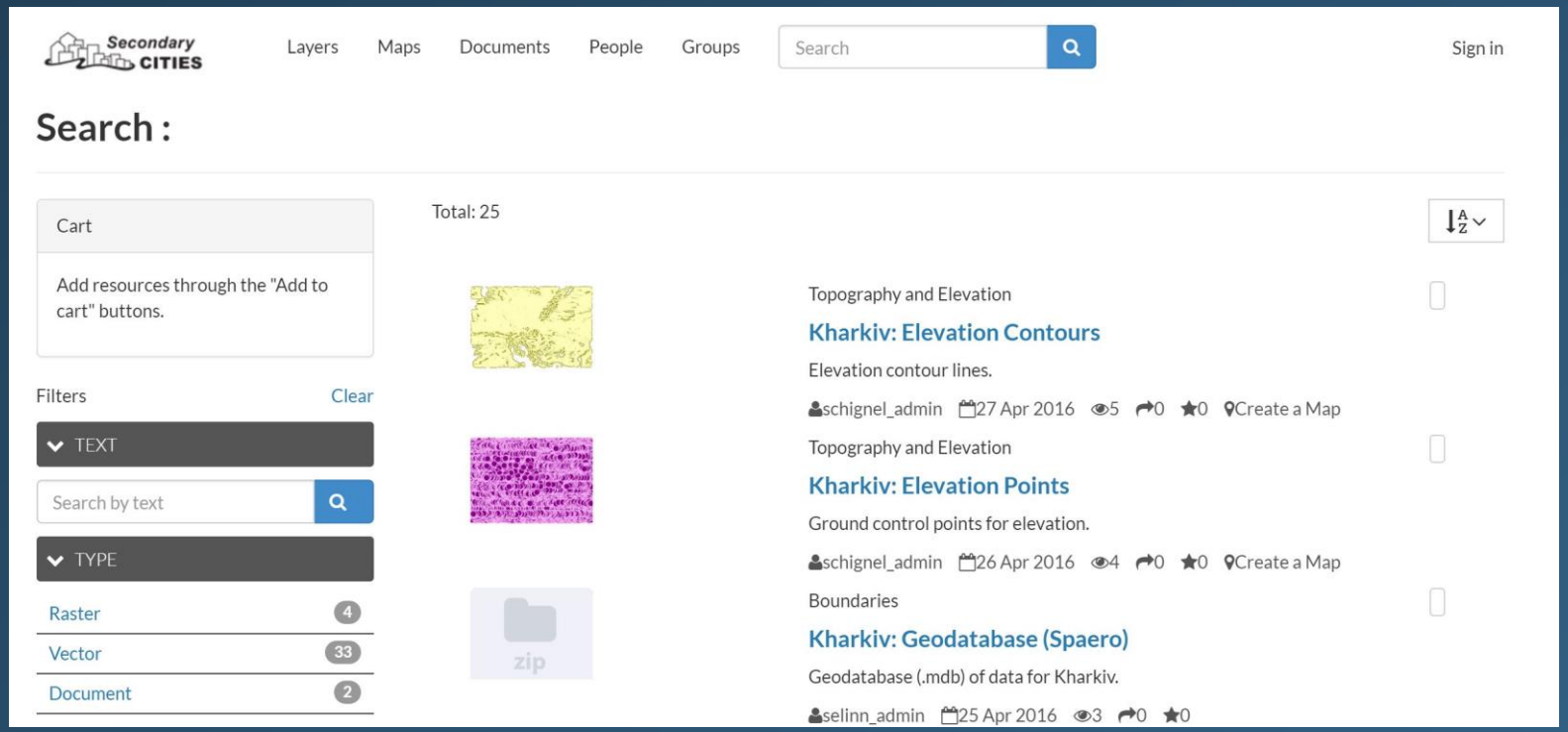


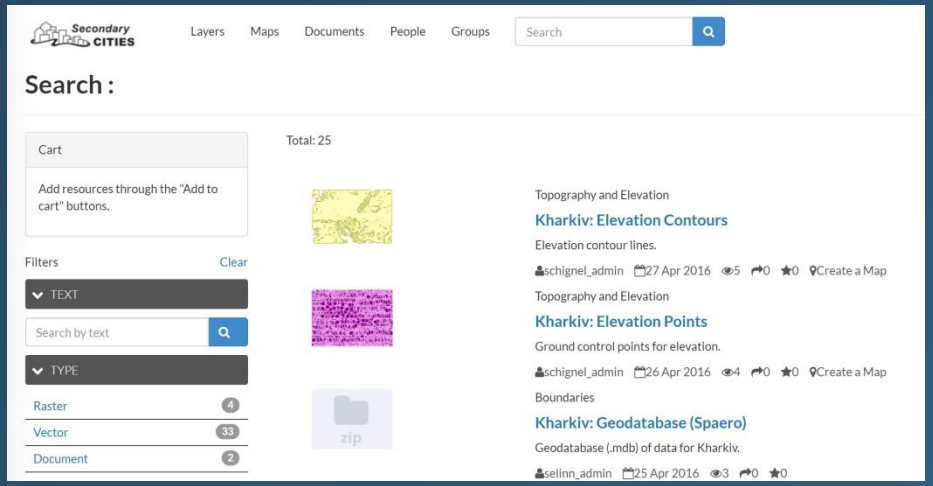
Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

Description of Kharkiv Data Layers provided by Spaero

Accessible through GeoNode and AGOL Workshop Account

Layer	Geometry	Attributes
Buildings	Polygons	91543 total features. Residential, non-residential; number of floors and number of apartments for residential. Student dorms; schools and pre-schools, factories, hospitals, police stations are part of the non-residential
Rivers, Lakes, Reservoirs	Lines; Polygons	
Parcels	Polygons	3281 total parcels. Types of parcels: industrial zone, green zone, commercial zone; construction areas; playgrounds; socio-cultural and athletic areas
Zoning	Polygons	7543 total polygons. Industrial; green; cemetery; low-rise residential; high-rise residential; unused land; agricultures areas
Urban districts	Polygons	10 administrative districts
Streets and Roads	Lines	
Subway Station Entrances	Points	105 entrances
Public Transportation Stops	Points	924 points
Tram Lines	Lines	
Bridges	Lines; Polygons	
Railroad Stations	Points	
Railroads	Lines	
Objects	Points	1278 points total. Police stations; city and oblast administration; hospitals and clinics; banks; cafes; exhibit halls; food markets; supermarkets; hotels; orphanages; zoo; higher education institutions; casino; clubs; places of worship ; theater; circus; monastery; museums; post offices; gym; stadium
Fountains and Monuments	Points	
Electric Utilities	Points; Lines	
Elevation	Points; Lines	

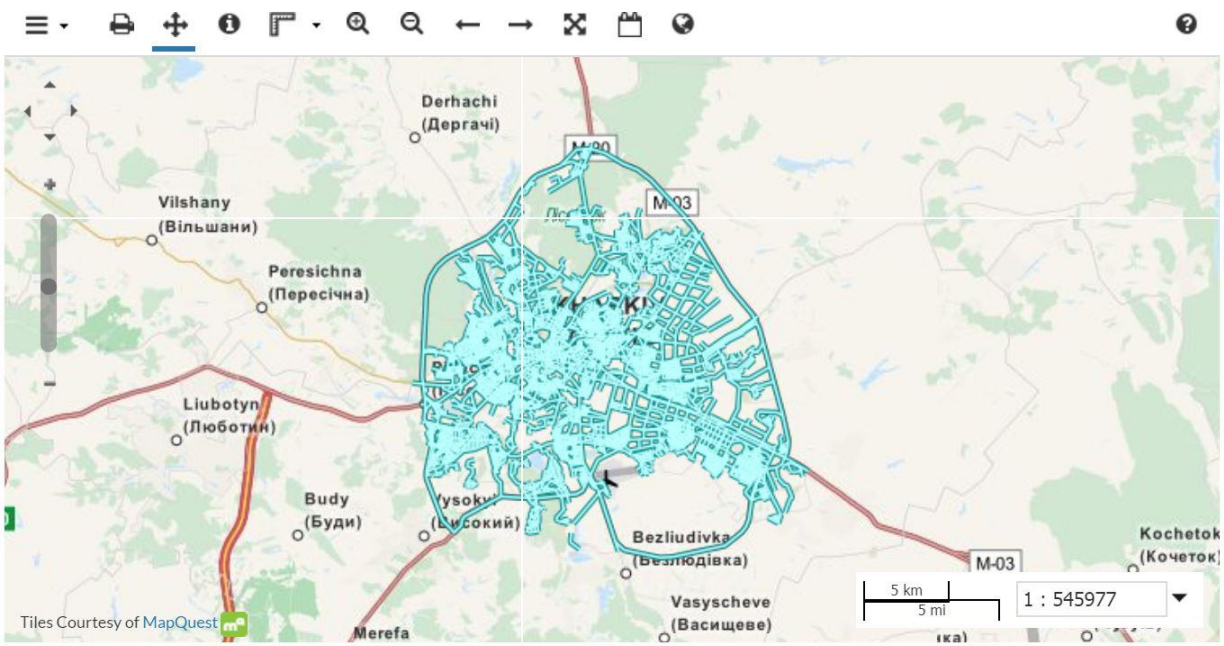


Secondary Cities: Kharkiv GeoNode

Secondary CITIES

Layers | Maps | Documents | People | Groups | Search | Sign in

Kharkiv: Transportation Network



Info | Attributes | Share | Ratings | Comments

Download Layer

Download Metadata

Legend

Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

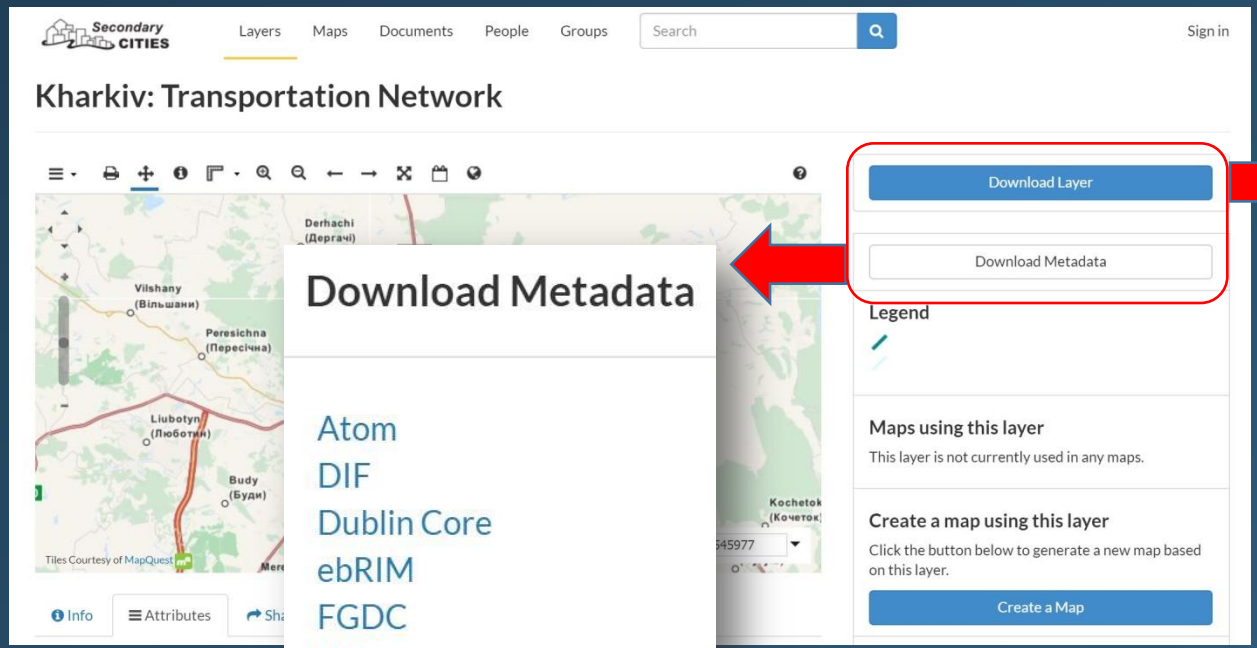
Click the button below to generate a new map based on this layer.

Create a Map

Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

http://secondarycities.geonode.state.gov/



Workshop ArcGIS Online Account

https://sckharkiv.maps.arcgis.com/home/

Workshop ArcGIS Online Account

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Kharkiv Featured Content

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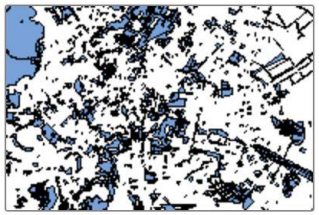
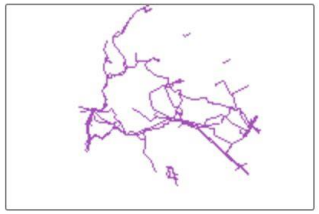
Search the website or visit the ArcGIS Marketplace

spaero_kharkiv_rivers


spaero_kharkiv_parcels

spaero_kharkiv_oilandgas

spaero_kharkiv_transport_network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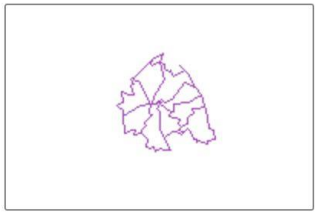
spaero_kharkiv_address_points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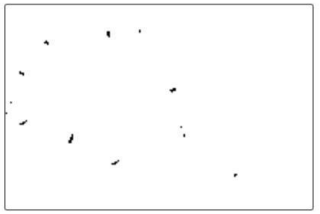
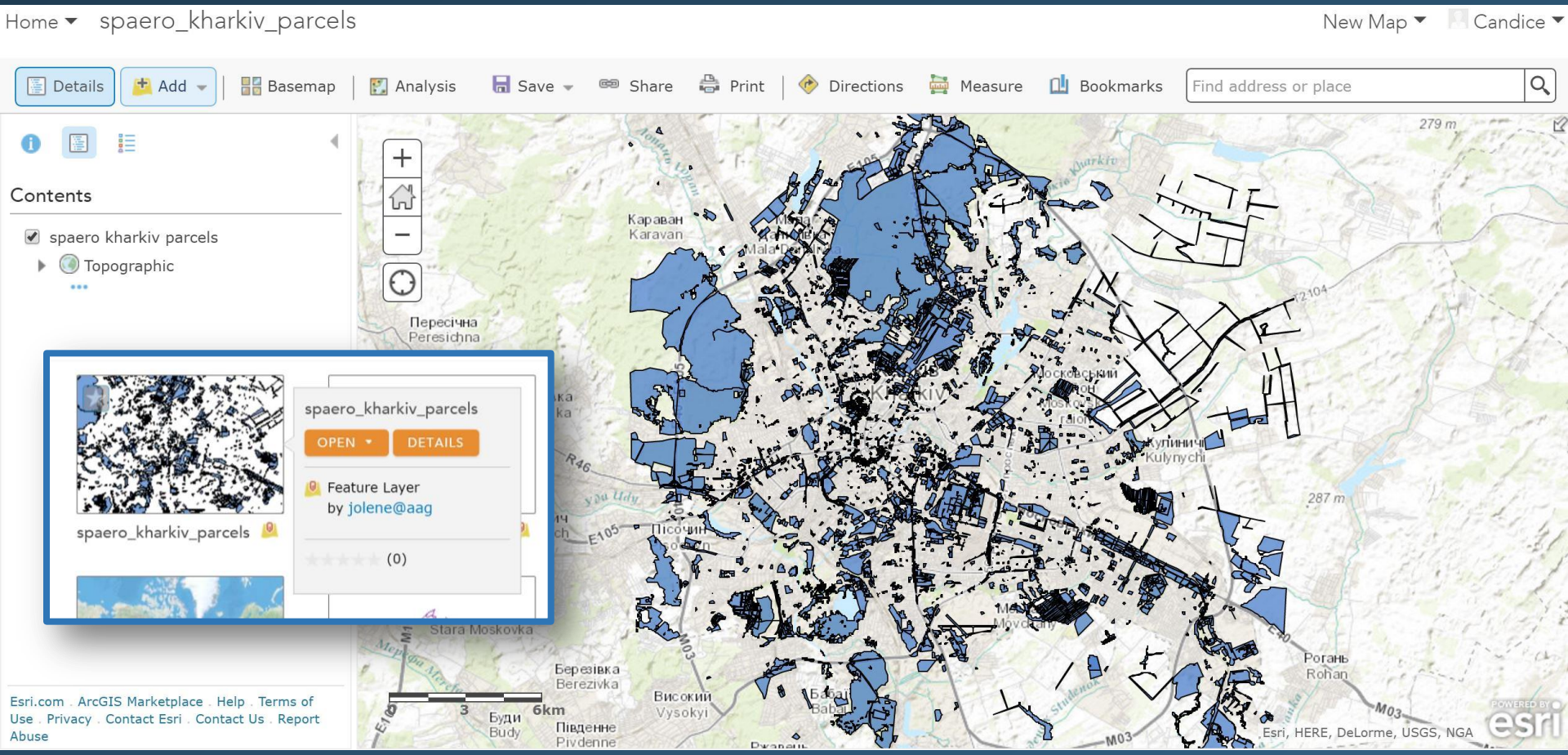

spaero_kharkiv_bridge_poly

GGI OFFICE OF THE GEOGRAPHER AND GLOBAL ISSUES

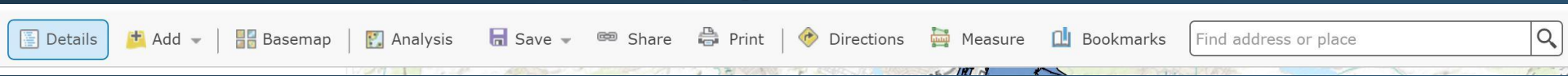
Secondary CITIES OFFICE OF THE GEOGRAPHER

Workshop ArcGIS Online Account

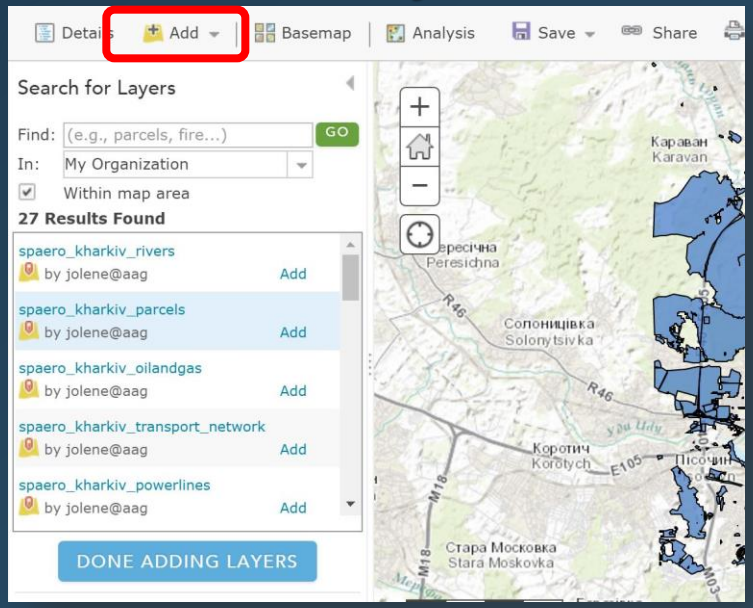


Workshop ArcGIS Online Account

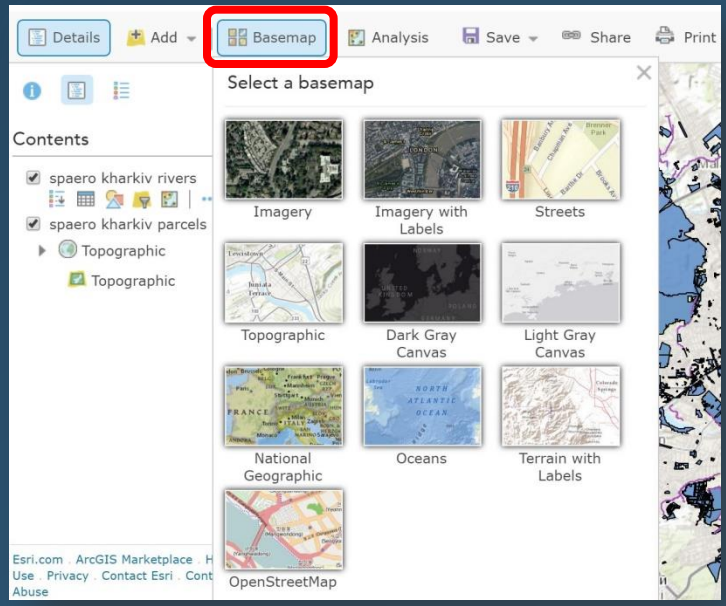
Map Menu



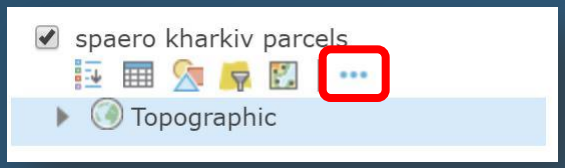
Add Layers



Change Basemap



Layer Menu



Workshop ArcGIS Online Account

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Candice

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Featured Maps from the Living Atlas

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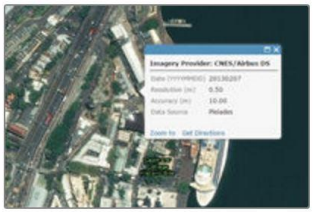
- Landscape
- Oceans
- Earth Observations
- Urban Systems
- Transportation
- Boundaries & Places
- Story Maps

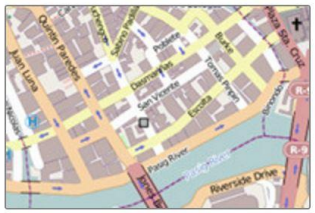
Area
- **All**
- World

Streets

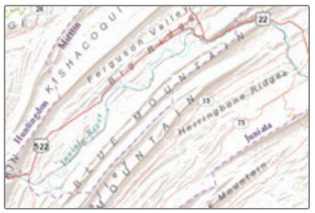

Imagery with Metadata

Topographic

Imagery with Labels

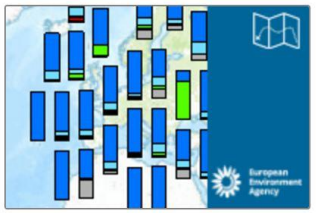


OpenStreetMap



Terrain with Labels

Imagery Hybrid



State of bathing waters

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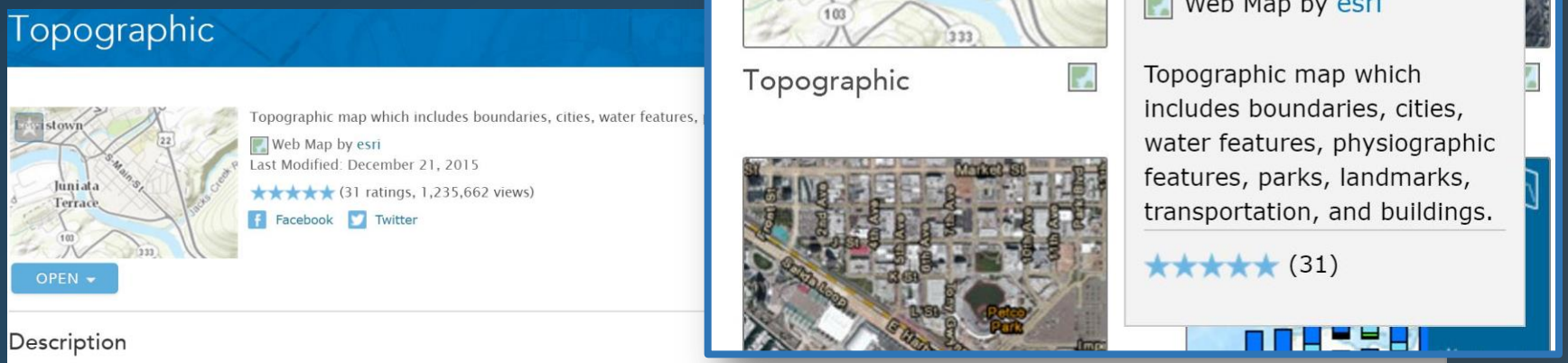

Description

This map is designed to be used as a basemap by GIS professionals and as a reference map by anyone. The map includes cities, water features, physiographic features, parks, landmarks, highways, roads, railways, airports, and administrative boundaries, overlaid on land cover and shaded relief imagery for added context. Alignment of boundaries is a presentation of the feature provided by our data vendors and does not imply endorsement by Esri or any governing authority.

The map provides coverage for the world down to a scale of ~1:72k. Coverage is provided down to ~1:4k for the following areas: Africa, Australia and New Zealand; Europe and Russia; India; the continental United States and Hawaii; Canada; Mexico; most of the Middle East; Pacific Island nations; South America and Central America. Coverage down to ~1:1k and ~1:2k is available in select urban areas.

This basemap was compiled from a variety of best available sources from several data providers, including the U.S. Geological Survey (USGS), U.S. Environmental Protection Agency (EPA), U.S. National Park Service (NPS), Food and Agriculture Organization of the United Nations (FAO), Department of Natural Resources Canada (NRCAN), GeoBase, Agriculture and Agri-Food Canada, DeLorme, HERE, and Esri. Data for Africa and Pacific Island nations from ~1:288k to ~1:4k (~1:1k in select areas) was sourced from OpenStreetMap contributors. Specific country list and documentation of Esri's process for including OSM data is available to view.

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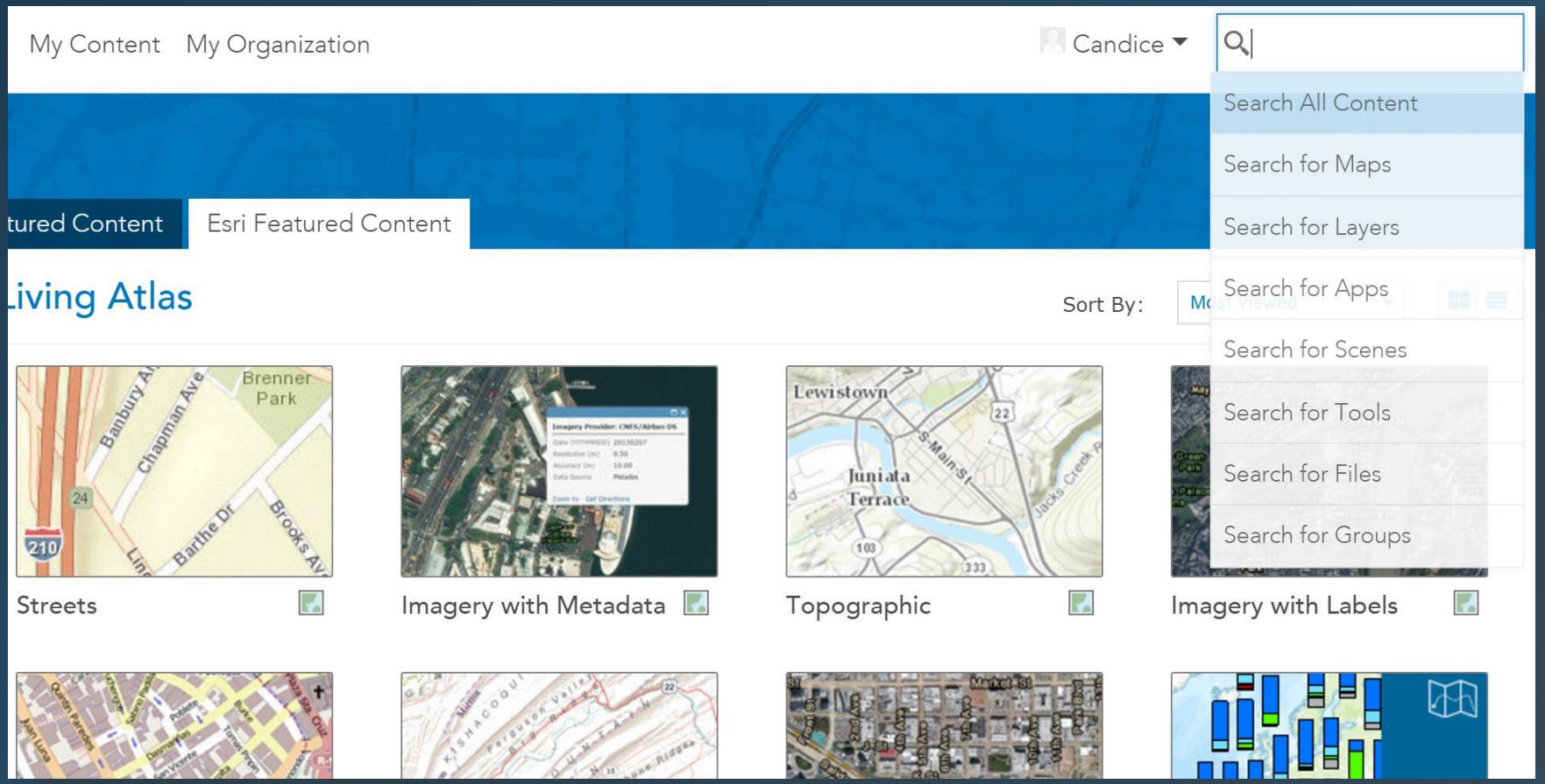

ArcGIS Online (AGOL) Resources

- **ArcGIS Online Help:**
- **http://doc.arcgis.com/en/arcgis-online/**
  - *Learn to use, make, and share maps, scenes, and apps*

- **ArcGIS Online Videos:**
- **http://video.arcgis.com/series/18/arcgis-online**
  - *Short, how-to videos to quickly learn AGOL functions*

- **Esri blog:**
- **https://blogs.esri.com/esri/arcgis/category/arcgis-online/**
  - *Additional information and discussion about AGOL*